PK10+ Parking Garage Series - Specification Sheet

The LUX PK10+ series features COMPETITIVE EFFICACY with VISUALLY COMFORTABLE, low glare options. We build the PK10+ from durable 6463 EXTRUDED ALUMINUM making it beautiful while maintaining exceptional DURABILITY and LONGEVITY.

Performance

- Lumen output: **3,500 up to 18,000 lumens, approx.**
- Efficacy: **Up to 140 Lumens per Watt**
- L_{70} (per TM-21): **72,000 Hours**
- L_{70} (calculated): **147,000 Hours**
- Ambient Temp. Rating: **-40°F to 140°F (-40°C to 60°C)**
  Ambient temperature rating varies for auxiliary components
- Surge Protection: **2.5kV for U1 driver option**
  6kV for U10 and DP10 driver options
  10kV Option Available, contact Factory

Construction

- Extruded 6463 aluminum construction
- Stainless-steel hardware
- Bright dip anodized fixture body
- Isolated driver channels
- Thermally independent heat sink LED bars
- Bug and dust resistant

Listing and Ratings

- UL 1598 for Dry, Damp, and Wet Locations
- ARRA/BAA Compliant (Made in America)
- DLC Listed
- IP55 Rated
- 3G Vibration Rated
- Exceeds IK10 impact rating

Warranty

- 10-Year Warranty on fixture body
- 5-Year Warranty on electronics
- For special requests, contact Factory

Applications

- Parking Garages
- Canopies
- Stairwells, Passageways, and Hallways
- Wet Location
- High Temperature

Installation

- Surface mounting
- Rigid pendant mounting (with or without powerfeed)
- Junction box mount
- Adjustable yoke mount
- Custom mounts available, contact Factory
- Aircraft cable suspension

Optics

- Wide 120° beam angle LEDs
- LED bars are rotatable to allow for custom distributions
- Diffusing polycarbonate lens available in clear and white
- Lens offers up to 10% uplight

Example Catalog Number:

L	2-8lm	S	A	850	1	U10
	Delivered lumens with 5000K color / CP lens	Some options may require additional driver channels in order to function. Consult Factory.	Defines the order of channels and BARs in the fixture frame. Please see configuration chart on specification sheet.	DLC listing for 850 and 840 color temperature. Other color temperatures available. Consult factory.	Affects fixture footprint size and maximum lumen output.	Other driver options available. Consult Factory.
Series	**Number of BARS** L series only	**Number of Channels**	**Fixture Configuration**	**CRI / CCT**	**Length**	**Voltage and Dimming**
L High lumen	**1' length** **1-4.5lm** 4,663lm **1-6lm** 6,108lm **2-8lm** 8,023lm **2-10lm** 10,436lm **2-12lm** 12,184lm **3-14lm** 14,156lm **3-16lm** 16,059lm **3-18lm** 18,145lm	**S** Single **D** Double	**A** **B** **C** ... **A** defines standard configuration. Not all configurations available Consult Factory	**865** 80CRI 6500K **857** 80CRI 5700K **850** 80CRI 5000K **840** 80CRI 4000K **835** 80CRI 3500K **830** 80CRI 3000K **827** 80CRI 2700K **950** 90CRI 5000K **940** 90CRI 4000K **935** 90CRI 3500K **927** 90CRI 2700K GREYED options not stocked and may need additional lead time	**1** 1' long	**U10** 120-277V 0-10V dimming 10% min. **U1** 120-277V 0-10V dimming 1% min. **H10** 347/480V 0-10V dimming 10% min. **H1** 347/480V 0-10V dimming 1% min. **DALI** 120-277V DALI control **DMX** 120-277V DMX control **DP10** 277-480V 0-10V dimming 10% min. **Dimming curves and other operating characteristics may vary between models**

Some CRI, CCT and other output variations may affect DLC listing; contact LUX for further information.

Options and Accessories

Lumen/Wattage Output

CFO Custom fixture output (specify custom lumen output or wattage lower than standard)

Lensing

CP Clear polycarbonate diffuse lens
WP White polycarbonate visually comfortable diffuse lens

Direction of Light

(leave blank) BARs aimed down
C Custom aiming
Consult with Factory for option "C"

Channel Access

B Lid opens from below fixture

Cord

(leave blank)	No cord provided	
3/10	3-wire, 10'cord	Standard white
4/10	4-wire, 10'cord	Standard white
5/10	5-wire, 10'cord	Standard white
6/10	6-wire, 10'cord	Standard white

Other cord lengths and multi-circuit wiring available
1st digit: Number of wires, including ground, available from 3 through 6
2nd digit: Overall length, including strips, available from 10' through 30'

Emergency

E4 4-watt integral emergency battery (CA Title-20 compliant)
E7 7-watt integral emergency battery (CA Title-20 compliant)
E20R 20-watt remote emergency battery (CA Title-20 compliant) **must be field-installed**
E30R 30-watt remote emergency battery (CA Title-20 compliant) **must be field-installed**
GTD Integral emergency lighting control for generator or inverter supplied lighting, multiple voltages available, contact Factory
E7 option not available on all configurations, consult Factory
Low temperature option available, consult Factory

Remote Mounting

(leave blank) Standard integral driver(s)
RMS Remote mount driver(s) - surface mount
RMC Remote mount driver(s) - cable mount
RNK Remote mount driver(s) - no enclosure kit provided
Restrictions may apply for certain applications, consult Factory

Mounting

(leave blank)	No mounting hardware provided
SM	Surface mount, no machining or hardware provided
SMH	Surface mount, includes (2) pre-machined mounting points
JB (PK10)	Junction box mount (see page 7 for detail)
MH1 1/2"	Myer's hub 1-point, 1/2" GRC adapter, Galv. Steel
MH2 1/2"	Myer's hub 2-point, 1/2" GRC adapter, Galv. Steel
MH1S 1/2"	Myer's hub 1-point, 1/2" GRC adapter, stainless-steel
MH2S 1/2"	Myer's hub 2-point, 1/2" GRC adapter, stainless-steel
UM2	Unistrut mount, includes (2) points of mounting, suitable for mounting to single strut.
UM4	Unistrut mount, includes (4) points of mounting, suitable for mounting to (2) struts.
YK	Yoke mount, adjustable trunnion, standard powder coat silver, **not installed** (Not suitable for WET locations)
10Y	Y-hanger AC cable up to 11' length, snap hook
4P10	4-point AC cable up to 10' length, hook
4P10S	Stainless steel 4-point AC cable up to 10' length, hook

Mounting via Aircraft Cable suitable for Static Loads only. If fixtures are subject to movement or mounting substrate is prone to instability, rigid mounting is required. Suitable mounting styles include: MH1, MH2, MH1S, MH2S, SM, SMH, UM2, UM4, and YOKE (YK).
SM, SMH, UM2, UM4, MH1, MH2, MH1S, and MH2S not available on all configurations, consult Factory
Additional cable lengths available, consult Factory

Finish

(leave blank)	Standard natatorium-grade bright dip anodized aluminum and green hanging brackets, shown on specification sheet
M	Silver stainless-steel hanging brackets (no green). Standard bright dip anodized aluminum body
PC	Custom color by powdercoat. Must specify RAL number and components to be finished
BLKG	Glossy black finish on all components
BLKM	Matte black finish on all components
AND	Anodize color finish, consult Factory

Nonstandard fixture finishes may reduce delivered lumens, contact Factory for details

Controls

OC	Integral on/off occupancy sensor (120-277V)
DO	Integral high/low/off occupancy and daylight harvesting sensor (120-277V)
OCKH	High voltage (347/480V) knockout-mounted on/off occupancy sensor, **not installed**
DOKH	High voltage (347/480V) knockout-mounted high/low/off occupancy and daylight harvesting sensor, **not installed**
Wireless Controls	Multiple wireless control systems available, contact Factory for options and details

LUX is controls-agnostic and can use most requested control systems
Double channel configuration may be required with sensor or controls option, contact Factory for details

Bird Spike Kits

Spike Kit	Includes (2) 12-inch segments of bird spikes. Shipped separately and field installed. Larger fixtures may require multiple kits, contact Factory for more information.

Requires 5" minimum clearance for all mounting options, contact Factory for details

Application (Select all that apply)

GAR	Parking garage, stairwells, passageways, and hallways
CAN	Canopies *(Includes conformal coated LED modules)*
WET	Wet location *(Includes conformal coated LED modules)*
BABA	Build America Buy America (BABA) compliant, contact Factory for more information
HT	High temperature applications, contact Factory for more details

1' PK10+ Performance

Clear Polycarbonate				
	Model	Delivered Lumens	Wattage	Efficacy
Delivered Lumens @ 5000K, 80 CRI, High Lumen	L-1-4.5lm-XX-850-1-XXX-CP	4,663	34	139
	L-1-6lm-XX-850-1-XXX-CP	6,108	45	136
	L-2-8lm-XX-850-1-XXX-CP	8,023	57	140
	L-2-10lm-XX-850-1-XXX-CP	10,436	76	138
	L-2-12lm-XX-850-1-XXX-CP	12,184	90	136
	L-3-14lm-XX-850-1-XXX-CP	14,156	104	136
	L-3-16lm-XX-850-1-XXX-CP	16,059	119	134
	L-3-18lm-XX-850-1-XXX-CP	18,145	135	134

White Polycarbonate				
	Model	Delivered Lumens	Wattage	Efficacy
Delivered Lumens @ 5000K, 80 CRI, High Lumen	L-1-4.5lm-XX-850-1-XXX-WP	3,582	34	107
	L-1-6lm-XX-850-1-XXX-WP	4,691	45	104
	L-2-8lm-XX-850-1-XXX-WP	6,162	57	108
	L-2-10lm-XX-850-1-XXX-WP	8,016	76	106
	L-2-12lm-XX-850-1-XXX-WP	9,358	90	104
	L-3-14lm-XX-850-1-XXX-WP	10,873	104	105
	L-3-16lm-XX-850-1-XXX-WP	12,335	119	103
	L-3-18lm-XX-850-1-XXX-WP	13,937	135	103

Custom lumen/wattage output available with CFO option specified. Consult Factory.

Lumen Multiplier

Lens	
Standard = CA Lens	
CP (nominal)	100.0%
WP	76.8%

CCT	
Standard = 5000K CCT	
6500K	99.5%
5700K	100.0%
5000K (nominal)	100.0%
4000K	100.0%
3500K	98.3%
3000K	95.1%
2700K	91.7%

CRI	
Standard = 80 CRI	
80 CRI (nominal)	100.0%
90 CRI	
6500K (90 CRI)	87.0%
5700K (90 CRI)	87.4%
5000K (90 CRI)	87.4%
4000K (90 CRI)	87.4%
3500K (90 CRI)	86.8%
3000K (90 CRI)	86.7%
2700K (90 CRI)	85.1%

Emergency Battery Performance (5000K, 80CRI)

Integral EM Options

E4 (4 Watt EM)	
Lens Option	Delivered Lumens
CP	755
WP	682

E7 (7 Watt EM)	
Lens Option	Delivered Lumens
CP	1,322
WP	1,194

Non-Integral EM Options (Remote)

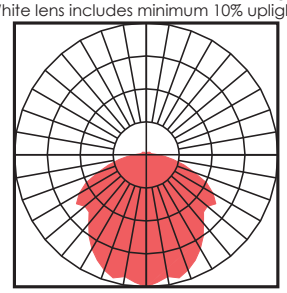
E20 (20 Watt EM)	
Lens Option	Delivered Lumens
CP	3,779
WP	3,410

E30 (30 Watt EM)	
Lens Option	Delivered Lumens
CP	5,653
WP	5,102

Optical Distribution

Lensed (CP or WP)

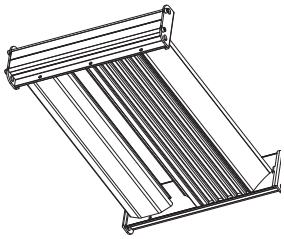
wide/diffused optic achieved using any of our standard lenses
Clear lens includes minimum 3.4% uplight
White lens includes minimum 10% uplight



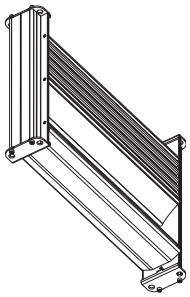
1’ Fixture Configurations

Single Channel

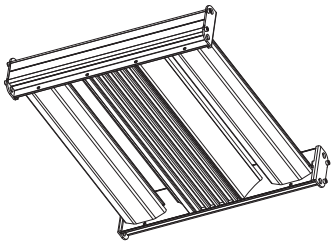
Part #
L-1-SA-XXX-1-XXX
• 13.66”L x 9.18”W x 2.4”H
• Weight: 5 LBS
1 Bar
1 Channel



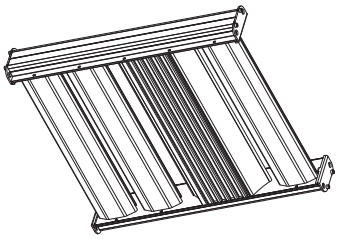
Part #
L-1-SB-XXX-1-XXX
• 13.66”L x 2.4”W x 9.18”H
• Weight: 5 LBS
1 Bar
1 Channel



Part #
L-2-SA-XXX-1-XXX
• 13.66”L x 12.18”W x 2.4”H
• Weight: 7 LBS
2 Bar
1 Channel

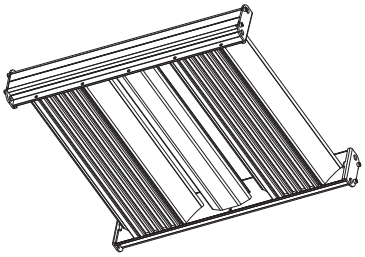


Part #
L-3-SA-XXX-1-XXX
• 13.66”L x 15.18”W x 2.4”H
• Weight: 9 LBS
3 Bar
1 Channel

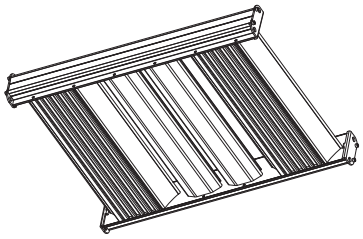


Double Channel

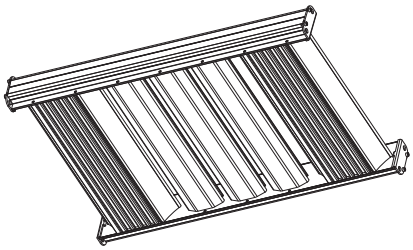
Part #
L-1-DA-XXX-1-XXX
• 13.66”L x 15.18”W x 2.4”H
• Weight: 8 LBS
1 Bar
2 Channel



Part #
L-2-DA-XXX-1-XXX
• 13.66”L x 18.18”W x 2.4”H
• Weight: 11 LBS
2 Bar
2 Channel



Part #
L-3-DA-XXX-1-XXX
• 13.66”L x 21.18”W x 2.4”H
• Weight: 13 LBS
3 Bar
2 Channel

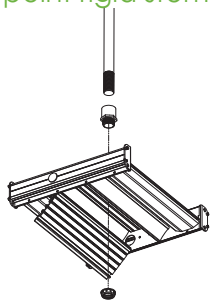


Mounting Options

Not all options available on all configurations, consult Factory

Stem Mount

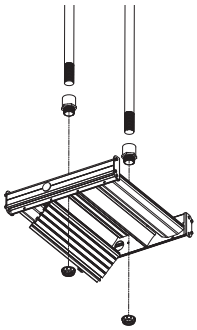
1-point rigid stem mount



Part Numbers:
MH1
MH1S

Description:
- 1/2" IP threaded hub to mount to 1/2" conduit or stem (other hub diameters available, contact Factory for options)
- Galvanized steel is standard, for stainless steel use "S" in part number
- Stem/threaded rod not provided
- Not available on all models and options
- Power feed may be routed through stem or through fixture's endcap
- Cord NOT installed when power feed is routed through stem

2-point rigid stem mount

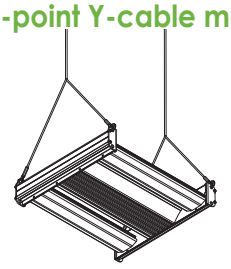


Part Numbers:
MH2
MH2S

Description:
- 1/2" IP threaded hub to mount to 1/2" conduit or stem (other hub diameters available, contact Factory for options)
- Galvanized steel is standard, for stainless steel use "S" in part number
- Stem/threaded rod not provided
- Not available on all models and options
- Power feed may be routed through stem or through fixture's endcap
- Cord NOT installed when power feed is routed through stem

Cable Mount

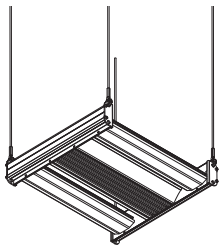
2-point Y-cable mount



Part Numbers:
10Y, 20Y, 30Y

Description:
- "10", "20", "30" represents length in feet
- Galvanized steel cable and hook

4-point cable mount

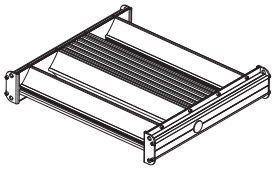


Part Numbers:
4P10, 4P20
4P10S, 4P20S

Description:
- "10", "20", "30" represents length in feet
- "S" in part number denotes natatorium-grade 316 stainless steel, recommended for natatoriums and other caustic environments

Surface Mount

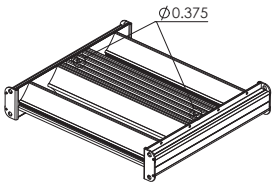
Surface mounting (no additional hardware or mounting holes supplied)



Part Number:
SM

Description:
- Fixture may be anchored flush to any suitable substrate through electronics channel
- No additional hanging hardware provided
- Not available on all models and options

Surface mount - 3/8" mounting holes supplied

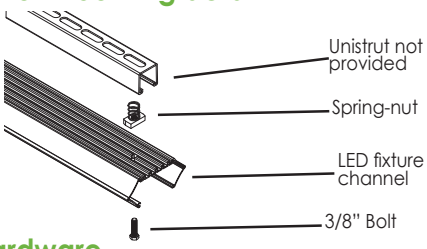


Part Number:
SMH

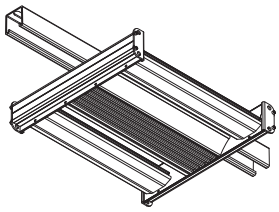
Description:
- Fixture may be anchored to any suitable substrate through electronics channel
- (2) 3/8" mounting holes provided per electronics channel, centered 5/8" from the end of the aluminum extrusion
- Not available on all models and options

Unistrut Mount

Unistrut mounting detail



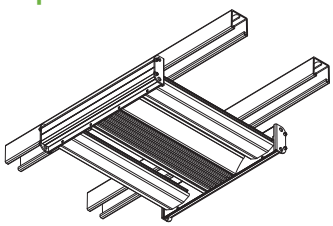
2-point Unistrut hardware



Part Number: **UM2**

Description:
- Unistrut hardware includes (2) sets of 3/8" diameter spring-nuts, bolts, mounting holes provided
- (2) 3/8" mounting holes provided per electronics channel, centered 5/8" from the end of the aluminum extrusion
- Not available on all models and options

4-point Unistrut hardware

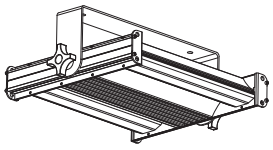


Part Number: **UM4**

Description:
- Unistrut hardware includes (4) sets of 3/8" diameter spring-nuts, bolts, mounting holes provided
- (4) 3/8" mounting holes provided per electronics channel, centered 5/8" from the end of the aluminum extrusion
- Not available on all models and options

Yoke Mount

Yoke Mount



Part Number:
YKx ("x" to change based on fixture)

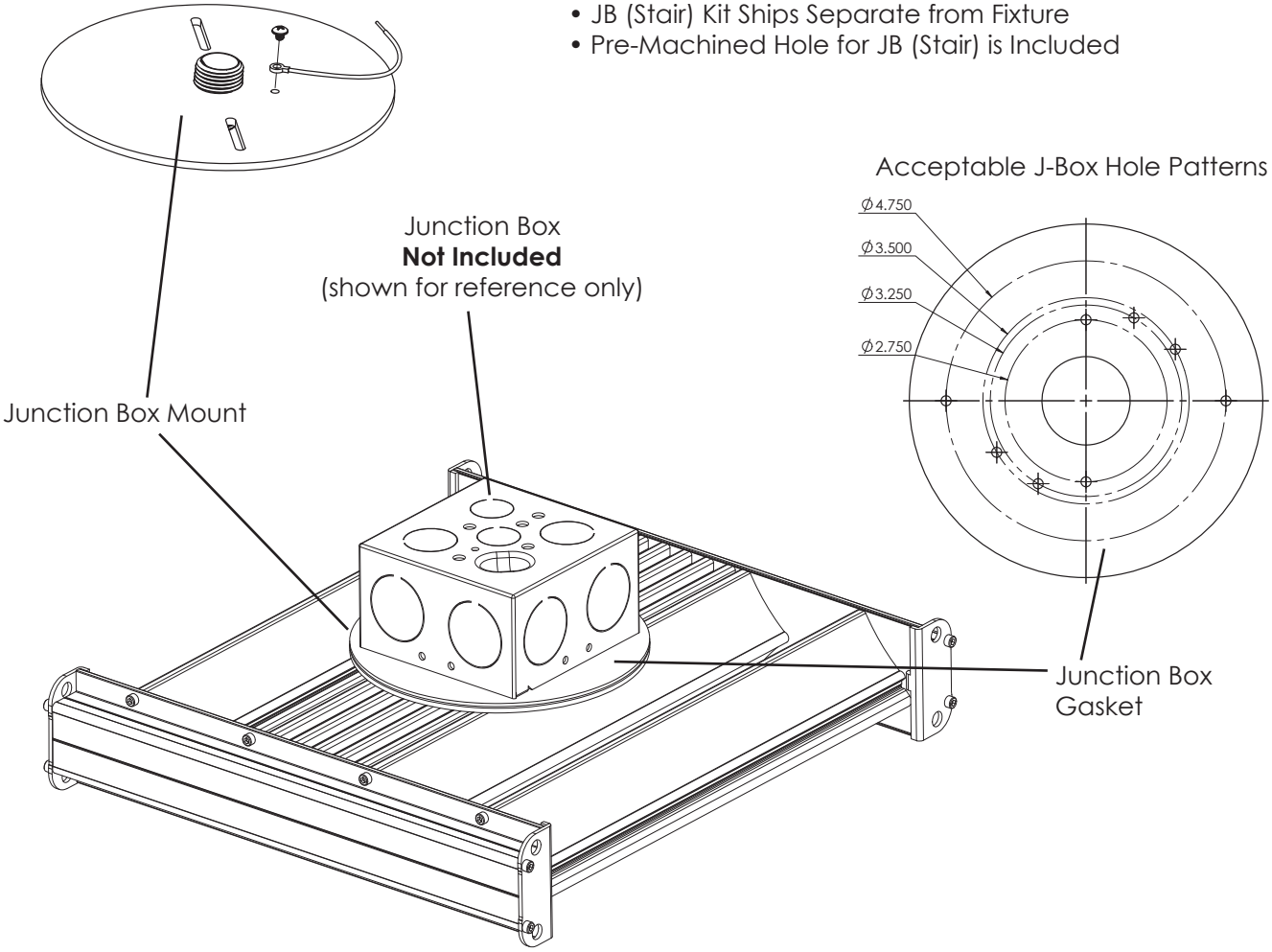
Description:
- Adjustable or static yoke mount allows for ceiling or wall mounting, contact Factory
- Power cord ordered separately
- Yoke mount NOT installed on the fixture before shipping
- Hardware to secure mount to structural surface NOT provided
- Not suitable for WET locations

Junction Box Mounting

Part Number: **JB (Stair)**

Description:

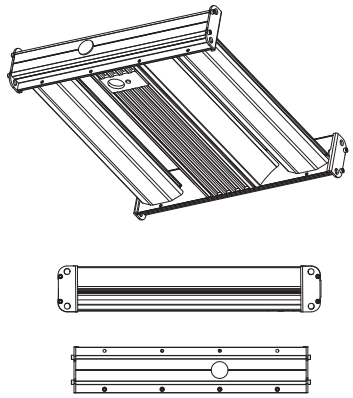
- Junction Box Not Included
- 6" Round Mounting Plate
- Accepts Most Standard Junction Box Sizes
- JB (Stair) Kit Ships Separate from Fixture
- Pre-Machined Hole for JB (Stair) is Included



Acceptable J-Box Hole Patterns

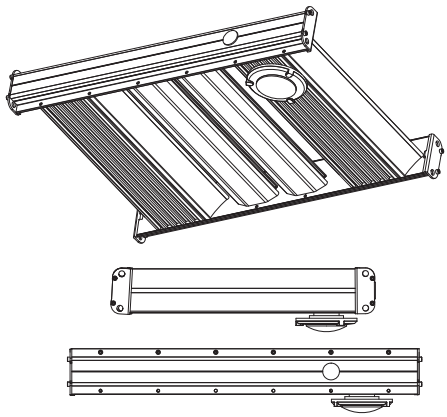
120-277V Sensors

OC



OC	
120V-277V Occupancy Sensor (On/Off)	
Control Type	Occupancy-PIR (line voltage)
Ambient Temperature	0°C to 55°C
Mounting Height	15' to 40'
Coverage Area	Suggested: 1 to 1 spacing to mounting height ratio

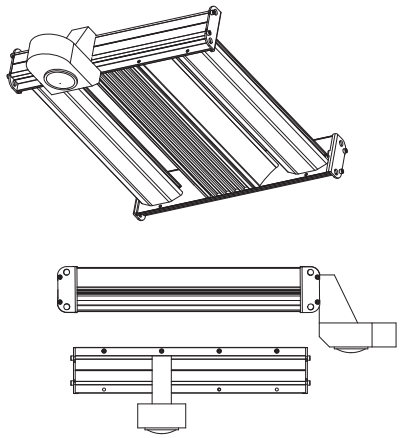
DO



DO	
120V-277V Daylight Harvesting and Occupancy Sensor (On/Off and 0-10V Dimming)	
Control Type	Occupancy-PIR (line voltage & 0-10V) DLH-Photocell (line voltage & 0-10V)
Ambient Temperature	-40°C to 70°C
Mounting Height	8' to 40'
Coverage Area	100' diameter (@ 40' Mounting Height)

347-480V Sensor

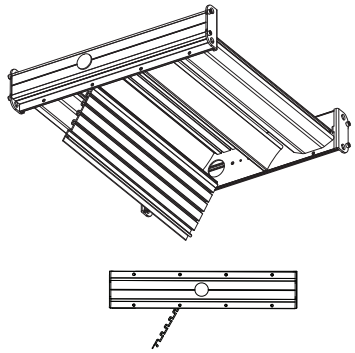
OCKH/DOKH



OCKH	
347V-480V Occupancy Sensor (On/Off)	
Control Type	Occupancy-PIR (line voltage & 0-10V)
Ambient Temperature	-10°C to 60°C
Mounting Height	15' to 45'
Coverage Area	15' to 20' radial coverage (30'-40' diameter) typical

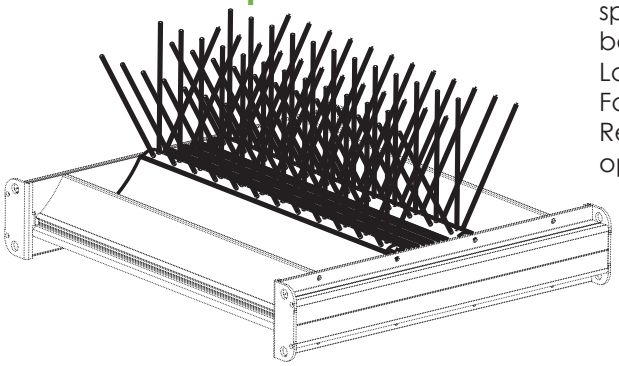
DOKH	
347V-480V Daylight Harvesting and Occupancy Sensor (On/Off and 0-10V Dimming)	
Control Type	Occupancy-PIR (line voltage & 0-10V) DLH-Photocell (line voltage & 0-10V)
Ambient Temperature	-10°C to 60°C
Mounting Height	15' to 45'
Coverage Area	15' to 20' radial coverage (30'-40' diameter) typical

Electronics Channel Access



Bottom Access: Channels open from below the fixture. The driver chamber is accessed from above the installer.
To specify "Bottom Access", use part number: **"B"**

Bird Spike Kits



Spike Kit: Includes (2) 12-inch segments of bird spikes. Shipped separately from fixtures and must be field installed.
Larger fixtures may require multiple kits, contact Factory for more information.
Requires 5" minimum clearance for all mounting options, contact Factory for more information.